

Technical Purchase Description (TPD)

Scope

This technical purchase description (TPD) covers commercially available metal polish used for polishing unpainted aluminum and aluminum alloy surfaces of aircraft.

Units of Issue

The metal polish shall be available in the following units of issue:

- 1) 1 quart container
- 2) 1 gallon container

Classification

The metal polish shall be of the following types:

- Type I - Liquid
- Type II - Paste

Requirements

- 1. Material**
The formulation of the polish shall be optional with the manufacturers except as restricted by the requirements specified herein.
- 2. Toxicity**
The polish shall have no adverse effect on the health of personnel when used for its intended purpose.
- 3. Reflectance**
The polish shall be capable of polishing a tarnished aluminum surface to produce a reflectance reading from 10 to 30 when measured with a reflectometer. The reflectance shall not change over a 24-hour period.
- 4. Ease of Removal and Corrosiveness**
Residual polish shall be easily removed from a tarnished aluminum surface that has been polished and dried. There shall be no discoloration or evidence of corrosion after the surface has been wiped clean.
- 5. Water and Salt Spray Resistance (Type I only)**
Aluminum surfaces treated with Type I polish and coated with waterproof liquid wax shall resist water and salt spray.

6. Storage Stability

The polish shall show no visible evidence of deterioration after storage in ambient conditions for 6 months.

7. Regulatory Requirements

The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

8. Material Safety Data Sheets (MSDS)

MSDS's shall be furnished in accordance with FED-STD-313. The pertinent Government mailing addresses for submission of data are listed in Appendix B of FED-STD-313.

9. Source of Documents

Requests for copies of ASTM test methods should be addressed to the American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

<http://www.astm.org>

The FAR may be obtained from the Superintendent of Documents, U.S. Government Printing Office, Washington DC 20402-0001.

Federal Standards and Specifications may be obtained from the General Services Administration Specifications Section, Suite 8100, 470 E. L'Enfant Plaza, SW, Washington, DC.

10. Product Conformance

The product provided shall meet the salient characteristics, conform to the producer's own drawings, specifications, standards, and quality assurance practices and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.